

AMENDMENT TO THE CLAIMS

Claim 1 (currently amended). In a continuous process for the production in a reaction zone of propylene oxide by reacting propylene with molecular oxygen and hydrogen at reactive conditions in a liquid solvent containing a solid noble metal on titanium silicalite epoxidation catalyst slurried in the solvent, the improvement which comprises employing a solvent having a boiling point of at least 130° C, continuously removing a reaction liquid stream from the reaction zone, flashing lower boiling components comprising propylene oxide as vapor from the said reaction liquid stream and recycling a liquid slurry of solvent and catalyst slurry from the flashing step to the oxidation reaction zone.

Claim 2 (original). The process of claim 1 wherein the solvent has a boiling point of at least 180° C.

Claim 3 (original). The process of claim 1 wherein the solvent is dipropylene glycol monomethyl ether.

Claim 4 (original). The process of claim 1 wherein the solvent is methoxy propanol.

Claim 5 (original). The process of claim 1 wherein the solid epoxidation catalyst comprises a noble metal on TS-1.

Claim 6 (original). The process of claim 1 wherein the solid epoxidation catalyst comprises Pd on TS-1.